

TCB

File	24
Op-Sys	OS/390
Statement	FIND
Task	Retrieve Task Control Block for a given job and interpret its contents.

Common Fields for all Operating Systems

Dictionary Field Name	F/L	Mu	DE	Remarks
ERROR-CODE	N3			
ERROR-TEXT	A58			
NODE	N3		D	
NODE-NAME	A16		D	
JOB-NAME	A8		D	Required.
TCB-ADDRESS	B4		D	
RB-CHAIN	B4		D	
DEB-CHAIN	B4		D	
LLS-CHAIN	B4		D	
COMPLETION-CODE	B4		D	
MOTHER-TCB	B4		D	
SISTER-TCB	B4		D	
DAUGHTER-TCB	B4		D	

Relevant Error Codes

Code	Text	OS/390
801	Job not found	X
805	Invalid TCB address	X

Field Descriptions

Field Name	Type/Length	Operating System
COMPLETION-CODE	(B4)	

Completion code for the task.

Field Name	Type/Length	Operating System
DAUGHTER-TCB	(B4)	

TCB address of task last attached by this task.

Field Name	Type/Length	Operating System
DEB-CHAIN	(B4)	

Address of DEB chain (open datasets).

Field Name	Type/Length	Operating System
JOB-NAME	(A8)	

Name of job to be scanned.

Field Name	Type/Length	Operating System
LLS-CHAIN	(B4)	

Address of LLS chain (loaded programs).

Field Name	Type/Length	Operating System
MOTHER-TCB	(B4)	

TCB address of task which attached this task.

Field Name	Type/Length	Operating System
RB-CHAIN	(B4)	

Address of request block chain (active programs).

Field Name	Type/Length	Operating System
SISTER-TCB	(B4)	

TCB address of task previously attached by the task which attached this task.

Field Name	Type/Length	Operating System
TCB-ADDRESS	(B4)	

TCB address.

Example 1:

This example program displays the TCB for job NPRWKK:

```

FIND TCB with JOB-name = 'NPRWKK' and NODE = 29
  DISPLAY TCB-ADDRESS RB-CHAIN DEB-CHAIN MOTHER-TCB SISTER-TCB
END

```

Example output from above program:

TCB-ADDRESS	RB-CHAIN	DEB-CHAIN	MOTHER-TCB	SISTER-TCB
008DDD40	008DB428	00000000	008D5A68	008DD6B8
008DD6B8	008DB940	00000000	008D5A68	008D5508
008D5468	008FBE18	008DFE94	008FE1F8	00000000
008FE1F8	008FBBF8	008E96C4	008FF338	008FE4A8
008D57B8	008DB170	00000000	008D5A68	008DD160

Example 2:

This example program displays the users of TCB addresses for job NPRWKK:

```
FIND TCB WITH JOB-NAME = 'NPRWKK' AND NODE = 29
  FIND NATPROC-USERS WITH TCB-ADDRESS = TCB.TCB-ADDRESS
                                AND NODE = 29
  DISPLAY TCB-ADDRESS USER-ID
END
```

Example output from above program:

TCB-ADDRESS	USER-ID
-----	-----
008DDD40	WKK
008DD6B8	DL
008D5A68	***MAIN
008D5508	
008FE1F8	
008D57B8	
008FE4A8	
008FF338	
008DD160	
008DD2F8	